

# PLT-T3-120-P - Type 3 surge protection plug



2906494

<https://www.phoenixcontact.com/us/products/2906494>

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Replacement plug for type 3 device protection from the PLUGTRAB T3 product range. 120 V nominal voltage.

## Commercial data

Item number	2906494
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CLP311
GTIN	4055626082035
Weight per piece (including packing)	31 g
Weight per piece (excluding packing)	21.76 g
Country of origin	DE

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## Technical data

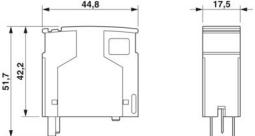
### Product properties

Product type	Replacement plug
Type	Male
Number of positions	2
Surge protection fault message	optical

### Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III
	T3
EN type	T3
Number of ports	One

### Dimensions

Dimensional drawing	
Width	17.5 mm
Height	44.8 mm
Depth	51.7 mm
Horizontal pitch	1 Div.

### Material specifications

Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6
Housing material	PA 6.6

### Protective circuit

Mode of protection	L-N
	L-PE
	N-PE
Direction of action	1L-N & N-PE
Nominal voltage $U_N$	120 V AC (TN-S)
	120 V AC (TT - only in use with RCD)
Nominal frequency $f_N$	50 Hz (60 Hz)
Maximum continuous operating voltage $U_C$	150 V AC
Rated load current $I_L$	16 A AC (at 63 °C)
Protective conductor current $I_{PE}$	$\leq 5 \mu A$

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Standby power consumption $P_C$	$\leq 200$ mVA
Reference test voltage $U_{REF}$	132 V AC
Nominal discharge current $I_n$ (8/20) $\mu$ s	3 kA
Combination wave $U_{OC}$	6 kV
Voltage protection level $U_p$ (L-N)	$\leq 0.75$ kV
Voltage protection level $U_p$ (L-PE)	$\leq 0.85$ kV
Voltage protection level $U_p$ (N-PE)	$\leq 0.85$ kV
TOV behavior at $U_T$ (L-N)	175 V AC (5 s / withstand mode) 240 V AC (120 min / withstand mode)
TOV behavior at $U_T$ (L-PE)	240 V AC (5 s / withstand mode) 240 V AC (120 min / withstand mode) 1332 V AC (200 ms / safe failure mode)
TOV behavior at $U_T$ (N-PE)	1200 V AC (200 ms / safe failure mode)
Response time $t_A$ (L-N)	$\leq 25$ ns
Response time $t_A$ (L-PE)	$\leq 100$ ns
Response time $t_A$ (N-PE)	$\leq 100$ ns
Short-circuit current rating $I_{SCCR}$	1.5 kA AC
Maximum backup fuse for through wiring	16 A (B)
Max. backup fuse with branch wiring	16 A (B)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	$\leq 2000$ m (amsl)
Permissible humidity (operation)	5 % ... 95 %

## Approvals

### UL specifications

Maximum continuous operating voltage MCOV	150 V AC
Nominal discharge current $I_n$	3 kA
Mode of protection	L-N L-G N-G
Power distribution system	Single phase
Nominal frequency	50/60 Hz
Measured limiting voltage MLV (L-N)	800 V
Measured limiting voltage MLV (L-G)	700 V
Measured limiting voltage MLV (N-G)	700 V
SPD Type	4CA

## Standards and regulations

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Standards/specifications	EN 61643-11
Note	2012

## Mounting

Mounting type	on base element
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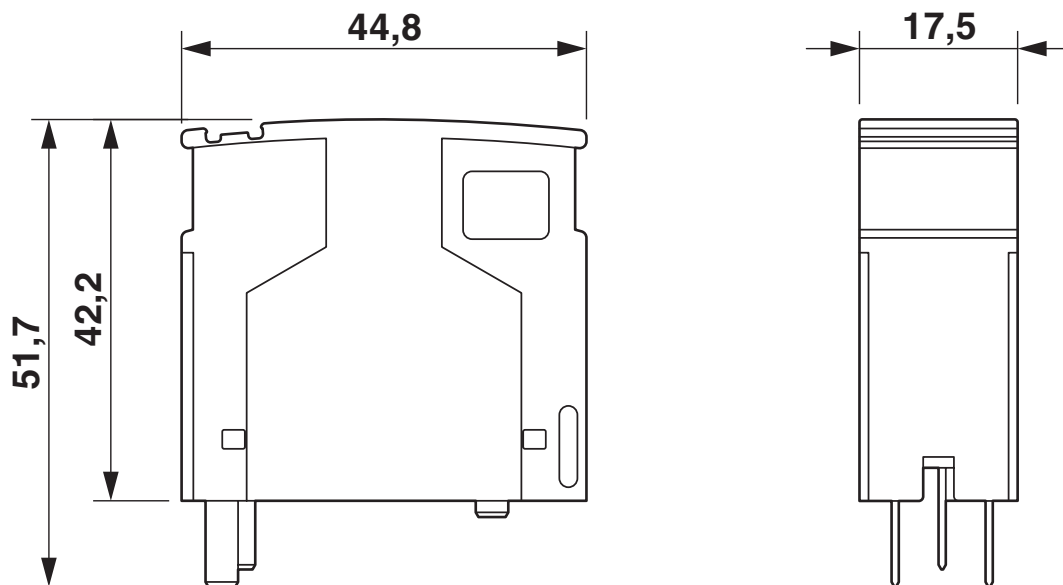


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## Drawings

Dimensional drawing



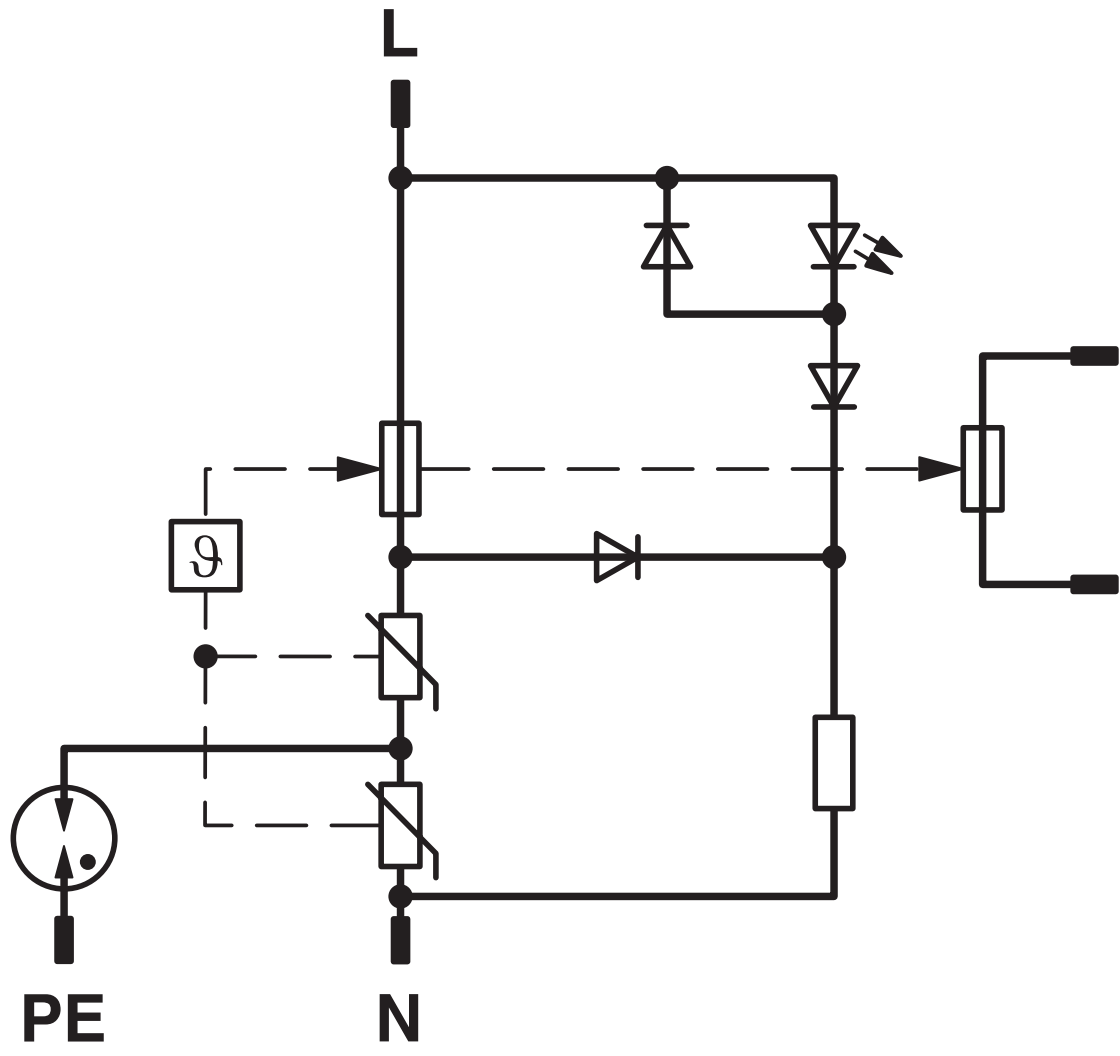
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Circuit diagram



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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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